

IN THE CLAIMS:

Please add new Claims 54-76 as follows:

54. (New) A method of producing a multilayer metal foil product comprising:
combining a plurality of previously patterned continuous metal foil layers to
form an advancing continuous stack of spaced apart metal foil layers;
scoring or creasing the advancing continuous stack of spaced apart metal foil
layers across at least a portion of the width of the stack at predetermined intervals wherein
the score or crease alternates in a left and a right direction;
causing the continuous stack of spaced apart metal foil layers to fold in
alternating directions at said scores or creases; and
piling the alternately folding stack in a zigzag fashion to form a
z-fold pack of the continuous stack of spaced apart metal foil layers.

55. (New) The method according to Claim 54, wherein the step of combining
the plurality of previously patterned continuous metal foil layers comprises combining at
least one previously patterned with at least one other previously patterned metal foil layer
to form the continuous stack of spaced apart metal foil layers.

56. (New) The method according to Claim 54, wherein the step of combining
the plurality of previously patterned continuous metal foil layers comprises combining at

least one patterned metal foil layer and at least one flat metal foil layer to form the continuous stack of spaced apart metal foil layers.

57. (New) The method according to Claim 54, wherein the pattern imparted to the previously patterned continuous metal foil layers is embossments or corrugations.

58. (New) The method according to Claim 54, further comprising combining a fiber layer between two of the metal foil layers.

59. (New) The method according to Claim 54, wherein the step of scoring or creasing is performed by a plurality of rotating members having a respective male and female position.

60. (New) The method according to Claim 54, wherein scoring or creasing is only at an edge of the continuous stack of spaced apart metal foil layers.

61. (New) The method according to Claim 54, wherein scoring or creasing is only at a plurality of points across the width of the continuous stack of spaced apart metal foil layers.

62. (New) The method according to Claim 54, wherein scoring or creasing is only on a top layer of the continuous stack of spaced apart metal foil layers.

63. (New) A method of producing a multilayer metal foil product comprising:
combining a plurality of continuous flat metal foil layers to form an
advancing continuous stack of metal foil layers and imparting a pattern to all layers of the
stack to form an advancing stack of patterned and nested metal foil layers;
scoring or creasing the advancing stack of patterned and nested metal foil
layers across at least a portion of the width of the stack at predetermined intervals;
causing the stack of patterned and nested metal foil layers to fold in
alternating directions at said scores or creases; and
piling the alternately folding stack in a zigzag fashion to form a
z-fold pack of the stack of patterned and nested metal foil layers.

64. (New) The method according to Claim 63, wherein the pattern imparted to the stack of metal foil layers is embossments or corrugations.

65. (New) The method according to Claim 63, further comprising combining a fiber layer between two of the metal foil layers.

66. (New) The method according to Claim 63, wherein the step of scoring or creasing is performed by rotating members having a respective male and female position.

67. (New) A method of producing multilayer metal foil parts comprising:
feeding to a parts forming operation a continuous previously patterned multilayer stack of spaced apart metal foil layers from a z-fold pack of a continuous previously patterned multilayer stack of spaced apart metal foil layers; and
forming and cutting individual multilayer metal foil parts from said stack of spaced apart metal foil layers.

68. (New) The method according to Claim 67, wherein at least one of said metal foil layers is embossed or corrugated.

69. (New) The method according to Claim 67, further comprising at least one fiber layer

70. (New) The method according to Claim 67, wherein a draw of the continuous previously patterned multilayer stack of spaced apart metal foil layers from the z-fold stack is horizontal.

71. (New) The method according to Claim 67, wherein a draw of the continuous previously patterned multilayer stack of spaced apart metal foil layers from the z-fold stack is non-vertical.

72. (New) A method of producing a multilayer metal foil product comprising:
combining a plurality of previously patterned continuous metal foil layers to form an advancing continuous stack of spaced apart metal foil layers;
scoring or creasing the advancing continuous stack of spaced apart metal foil layers across at least a portion of the width of the stack at predetermined intervals wherein the score or crease alternates in a left and a right direction, wherein the scoring or creasing is performed by a plurality of rotating members having a respective male and female positions, and wherein the rotating members are periodically activated and rotated one revolution at predetermined intervals to produce an alternating score or crease across the substantial width of the continuous stack of spaced apart metal foil layers;
causing the continuous stack of spaced apart metal foil layers to fold in alternating directions at said scores or creases; and
piling the alternately folding stack in a zigzag fashion to form a z-fold pack of the continuous stack of spaced apart metal foil layers.

73. (New) The method according to Claim 72, wherein the step of combining

the plurality of previously patterned continuous metal foil layers comprises combining at least one previously patterned with at least one other previously patterned metal foil layer to form the continuous stack of spaced apart metal foil layers.

74. (New) The method according to Claim 72, wherein the step of combining the plurality of previously patterned continuous metal foil layers comprises combining at least one patterned metal foil layer and at least one flat metal foil layer to form the continuous stack of spaced apart metal foil layers.

75. (New) The method according to Claim 72, wherein the pattern imparted to the previously patterned continuous metal foil layers is embossments or corrugations.

76. (New) The method according to Claim 72, further comprising combining a fiber layer between two of the metal foil layers.

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